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SUMMARY

- 3+ years programming experience
- 1+ years as a Teaching Assistant
- 6+ months performing Undergraduate Research
- Highly adaptive and efficient when learning new technologies
- Committed to writing readable and easily maintainable programs

PROFESSIONAL EXPERIENCE

NORTHERN ARIZONA UNIVERSITY

Flagstaff, AZ

Undergraduate Researcher, NAU & AFRL Partnership

August 2020 – Present

- Simulation of a secure processor using computational diversity on the RISC-V architecture.
- Significant use of the C programming language and Test-driven Development.

NORTHERN ARIZONA UNIVERSITY

Flagstaff, AZ

Teaching Assistant

September 2019 – Present

- Assisted students with understanding the basics of object-oriented design, data structures and recursive algorithms (CS249 - Data Structures and Algorithms).
- Encouraged clean and readable code while teaching modularity and unit testing (CS249 - Data Structures and Algorithms).
- Guiding students towards a broad understanding of languages according to formal language theory, with a focus on proving and/or disproving class membership for given languages (CS315 - Automata Theory).

NORTHERN ARIZONA UNIVERSITY

Flagstaff, AZ

Undergraduate Researcher, NAU IoT Research Lab

March 2020 – July 2020

- Lead developer for an occupancy tracker using IoT devices; use of OpenCV and basic image processing in a naïve, computationally efficient algorithm suited for hardware-constrained devices (NAU IoT Research Lab).

DECKERS OUTDOOR COORPORATION

Flagstaff, AZ

Temporary User Interface Developer
2020

December 2019 – March

- Aid in porting over content assets to a new Salesforce architecture.
- Perform front-facing content flips in Deckers' third-party CMS.
- Participate and thrive in an Agile work environment.

EDUCATION

NORTHERN ARIZONA UNIVERSITY

Flagstaff, AZ

Bachelor of Science in Computer Science, Minor in Mathematics, May 2021 (expected)

- **Key courses:** Computer Graphics, Distributed Systems, Operating Systems, Parallel Programming
- **Projects:** Recursive Ray-tracer, Operating System Simulation, Peer-to-Peer Distributed Chat, Transaction Server, Application Server
- **Awards:** Deans List (term GPA ≥ 3.5), 6/7 semesters
- **Clubs:** Association for Computing Machinery (September 2018 - Present)
- **GPA:** major: 4.0, overall: 3.84

LANGUAGE PROFICIENCIES

- C
- Python
- Java
- R
- MATLAB
- HTML/CSS/JS

TECHNOLOGICAL PROFICIENCIES

- Linux
- Git
- OpenCV
- Keras
- Pthreads
- OpenMP

ADDITIONAL SKILLS

- Excellent written and verbal communication
- Self-learner with a passion for helping others
- Focused listener with high emotional awareness
- Prioritization of mental well-being and physical fitness